Processes, Services and Professional Roles in the TECHNOLOGY BASED TRAINING
Process, services and professional roles in the Technology Based Training

THE SETEL AS "Problem Solver" IN THE MULTIMEDIA INTERACTIVE TRAINING SCENARIO
THE SETEL AS "Problem Solver" IN THE MULTIMEDIA INTERACTIVE TRAINING SCENARIO

GLOBAL SKILLS IN THE ANALYSIS, INSTRUCTIONAL/COMMUNICATIONS DESIGN, DEVELOPMENT AND QUALITY CONTROL OF DIGITAL TRAINING MATERIALS (CBT, SIMULATIONS, WBT, VIDEO, E-LEARNING, ETC.) RELATIVE TO THE FOLLOWING CONTENTS:

- Radar and Missile System
- Command, Control and Communications
- Electronic Warfare
- Avionics and Air Traffic Control
- Satellite Technologies
- Rail Traffic Control
- Train and Metro Motorman
- Company and interpersonal communication
- Quality System (ISO) and Safety
- Training for Trainers
- E-learning and “Technology Based” education
- Document & Knowledge Management
- Team Building
Process, services and professional roles in the Technology Based Training
THE SETEL AS "Problem Solver" IN THE MULTIMEDIA INTERACTIVE TRAINING SCENARIO

- CBT BROWSING TOOL SCORM COMPLIANT
  For «dual» application
  (Stand alone CBT & E-learning)

- CBT APPLICATIONS:
  - CONFIGURATION CONTROLLED ACCORDING TO THE ILS STANDARDS (1388; S3000D...);
  - INTEGRATED WITH S1000D TECHNICAL PUBLICATIONS PLATFORMS (TPS SCORM);
  - USABLE IN «MOBILE LEARNING» CONTEXTS ON DIFFERENT DELIVERY PLATFORMS
  - INTEGRATED IN TRAINING SIMULATIONS SCENARIOS (2D; 3D)

- TIN-CAN ENVIRONMENT SOLUTIONS
- BLENDED LEARNING

Process, services and professional roles in the Technology Based Training
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OUR MOST RECENTLY EXPERIENCES

Execution of specialist courses (4 classroom weeks) for instructors of the IV Maintenance Unit (Italian Air Force), on "design, development and delivery of CBT/E-Learning training contents SCORM® compliant".

Design and execution of two educational courses on the following arguments «Multimedia Instructional Designer» and «Analysis and evaluation models for Learning Objects».

PROFESSIONAL ROLES TO BE TRAINED

- Analysts/Systemists of Technology Based Training application
- Multimedia Instructional Designers
- LO SCORM compliant Developers
- Experienced Instructors in the classroom use of interactive multimedia training aids
- Managers of «Technology Based Training» Organization & Activities
Process, services and professional roles in the Technology Based Training

THE SETEL AS "Problem Solver" IN THE MULTIMEDIA INTERACTIVE TRAINING SCENARIO

Technical & Methodological Specification for the development of an advanced technology training process applicable to the operative and maintenance needs of the personnel of the FREMM Combat System (Multimission Frigates of the Italian Navy)

OUR MOST RECENTLY EXPERIENCES

Digital Contents Development
CBT Applications
Engineering Solutions
Specialist Education
Multidisciplinary Consulting
E-Learning Services
THE SETEL AS "Problem Solver" IN THE MULTIMEDIA INTERACTIVE TRAINING SCENARIO

Process, services and professional roles in the Technology Based Training

- **DIGITAL CONTENTS DEVELOPMENT**: Development, management and delivery of collaborative learning support services (technical and instructionals).

- **CBT APPLICATIONS**: Training support, developed by means both synchronous and asynchronous on-line activities (web tutoring and mentoring).

- **ENGINEERING SOLUTIONS**: Monitoring and testing of the on-line training activities with development and delivery of statistical and informative reports (courseware assignments, study times, developed materials, test results, etc.).

- **SPECIALIST EDUCATION**:

- **MULTIDISCIPLINARY CONSULTING**:

- **E-LEARNING SERVICES**:
Management & Planning of the training process and resources

Customer

Preliminary Analysis

T.S.

Supplier

Selection & Education of Resources

Roles active on the Whole process

Training of Trainer & Instructional designer

Training of TBT Instruct. Designer

Arrang. of basic materials

Detailed Designing

Analysis of media, lang. & strategies

General Designing

Training Plan definition

Objectives Breakdown Structure

TRADITIONAL INSTRUCTIONAL DESIGN

Project Management

on the whole process

Feedback for the improvement process

FOLLOW UP & FEEDBACK FROM THE FIELD

(Training FRACAS)

Learning Management

Learning results

(Post course)

End course Evaluation

Info & data for the Management - Planning

THE WORKFLOW OF A TRAINING PROCESS ON COMPLEX SYSTEMS

THE WORKFLOW OF A TRAINING PROCESS

ON COMPLEX SYSTEMS

LEGEND

T.S. = Technical Specification

QC = Quality Control

TBT = Technology Based Training

FRACAS = Failure Reporting Analysis and Corrective Action System (Logistic concept applied to the analysis of the training effects on the working activities)

Process, services and professional roles in the Technology Based Training
Process, services and professional roles in the Technology Based Training
SETEL PROFESSIONAL ROLES COOPERATING IN THE DEVELOPMENT PROCESS

- **PROJECT MANAGER**
  (Coordination and management)

- **INSTRUCTIONAL SYSTEM ANALYST**
  (Needs and requirements analysis, Instructional & Technical Specification, General courseware designing)

- **MULTIMEDIA INSTRUCTIONAL DESIGNER**
  (Contents research, Detailed instructional designing, Storyboarding)

- **2D GRAPHIC DESIGNER & DEVELOPER**
  (Graphics ideation/creation, Animations, Technical production)

- **3D GRAPHIC DESIGNER & DEVELOPER**
  (Graphics ideation/creation, Animations, Technical production)

- **ANALYST-PROGRAMMER**
  (Simulations, Special sw components, etc.)

- **AUDIO EDITOR & SPEAKER**

- **COURSEWARE DEVELOPER**
  (Final editing of the multimedia components)

- **QUALITY CONTROLLER**
  (Management and application of the Quality Control methods and techniques, courseware tests and verifications based on customer requirements and SeTeL Quality Manual)
<table>
<thead>
<tr>
<th>CBT PROJECTS DEVELOPED BY SETEL IN THE LAST FEW YEARS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FREMM (Multimission Frigates)</strong></td>
</tr>
<tr>
<td>Analysis, General Designing, Storyboarding, Development and QC of a set of CBT coursewares on the Combat System &amp; Whole Warship.</td>
</tr>
<tr>
<td><strong>2012 - 2014</strong></td>
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</tbody>
</table>

| **LPD KALAAT BÉNI ABBÈS (Landing Platform Dock)**      |
| Analysis, General Designing, Storyboarding, Development and QC of a set of CBT coursewares on Operative and Maintenance arguments of the Whole Warship. |
| **2014 - 2015**                                        |

| **LOCOMOTOR E464 & ASSOCIATED FIRE PROTECTION SYSTEM**  |
| Analysis, General Designing, Storyboarding, Development and QC of a CBT prototype related to the General Description of locomotor E464 & on board fire protection systems. |
| **2015**                                               |
### CBT PROJECTS DEVELOPED BY SETEL IN THE LAST FEW YEARS

<table>
<thead>
<tr>
<th>Project</th>
<th>Details</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPTSAT-3000 (Space &amp; Ground Segments)</td>
<td>Analysis, General Designing, Storyboarding, Development and QC of a CBT courseware related to the Ground and Space Segments (Basic Training).</td>
<td>2016</td>
</tr>
<tr>
<td>SIGHTING CENTER SIRIUS – SPADA 2 Air Defence System</td>
<td>Analysis, General Designing, Storyboarding, Development and QC of a CBT prototype related to the General Description of the Sighting Center Sirius.</td>
<td>2017</td>
</tr>
<tr>
<td>ERTMS per le FERROVIE NORVEGSI</td>
<td>Analysis, Design and Writing of a Technical Specification for the development of the CBT/E-Learning SCORM component for the training activities on Train Management, Signalling and On Board Systems.</td>
<td>2017</td>
</tr>
</tbody>
</table>
THE MAIN SETEL CUSTOMERS IN THE TECHNOLOGY BASED TRAINING SCENARIO
SOME GOOD REASONS TO CHOOSE SETEL AS SUPPLIER IN THE DEVELOPMENT OF "TECHNOLOGY BASED" TRAINING PROCESSES

30 YEARS OF EXPERIENCES IN THE MULTIMEDIA TRAINING AND UP TO 40 YEARS IN THE DEVELOPMENT OF THE TRADITIONAL TECHNICAL TRAINING

GLOBAL SKILLS IN DIFFERENT TRAINING AND EDUCATIONAL CONTEXTS (DEFENCE, TRANSPORTATION, AEROSPACE, TELECOMMUNICATIONS, MANAGEMENT, PUBLIC ADMINISTRATION, ETC.)

AVAILABILITY OF ALL THE NEEDED EXPERTISES AND SKILLS (METHODS, TECHNOLOGIES, DESIGN, DEVELOPMENT, MANAGEMENT, ETC.) FOR DEVELOPING COMPLEX TRAINING SYSTEMS

HIGH INTEGRATION CAPABILITY OF THE CBT APPLICATIONS IN THE LOGISTIC ENGINEERING PROCESSES FOR THE SUPPORT OF THE COMPLEX SYSTEMS LIFE CYCLE

CONTINUOUSLY RESEARCH & DEVELOPMENT ACTIVITY IN THE EDUCATIONAL TECHNOLOGIES SCENARIO

JOINTS, COOPERATIONS AND SYNERGIES WITH RESEARCH, INSTRUCTIONAL AND ACADEMIC ORGANIZATIONS OF THE ITALIAN EDUCATIONAL SCENARIO, EG:

A TECHNOLOGY BASED TRAINING WORKFLOW ISO 9001:2015 CERTIFIED (EA34 Activity sector)

Design, development and delivery of traditional training and Technology Based Training on complex systems related to civilian, defence and aerospace scenarios.
Integrated Logistic Support Engineering

Since 1973

Thanks for your attention